

Food Zoomer

The Food Zoomer measures IgA, IgG, and IgE immune responses across a broad range of food proteins, peptides, and whole-food extracts. Markers span dairy, grains, legumes, nuts, seeds, fruits, vegetables, meats, seafood, lectins, aquaporins, and common food additives. This structure allows clinicians to evaluate both protein-specific immune patterns and broader dietary exposure within a single, organized panel.

Food Sensitivity Complete (209)			Food Additives (57)
Dairy (11) <ul style="list-style-type: none"> Beta-casein Casomorphin Cow's milk Goat's milk Whey protein Buffalo milk Buttermilk Cheddar cheese Kefir Sheep's milk Yogurt 	<ul style="list-style-type: none"> Lime Nectarine Green olive Orange Peach Pear Pineapple Raspberry Strawberry Tomato Watermelon Pomegranate Prune Raisin Tangerine Blackcurrant Elderberry Gooseberry Mulberry Passion fruit Persimmon Plum Capers Papaya 	Legumes (11) <ul style="list-style-type: none"> Kidney bean Navy bean Peanut Soybean Chickpea Broad bean Mung bean Black bean Black-eye pea Lentil Pinto bean 	Food Dyes and Pigments (15) <ul style="list-style-type: none"> Acid Blue #3 (Patent Blue V) Acid Red #14 (Carmoisine) Annatto Beta-Carotene Blue #1 (Brilliant Blue) Blue #2 (Indigo Carmine) Brilliant Black Cochineal Extract Green #3 (Fast Green) Red #2 (Amaranth Red) Red #3 (Erythrosine) Red #4 (Carmine) Red #40 (Allura Red) Yellow #5 (Tartrazine) Yellow #6 (Sunset Yellow)
Fish (16) <ul style="list-style-type: none"> Catfish Codfish Halibut Lake trout Mackerel Perch Salmon Tuna Alaska pollock Anchovy Carp Eel Flounder Sardine Sea bass Sole 	Gluten-Containing Grains (7) <ul style="list-style-type: none"> Barley Wheat Malt Oats Rye Spelt Couscous 	Meat & Poultry (12) <ul style="list-style-type: none"> Beef Chicken Egg white Egg yolk Lamb Pork Turkey Duck meat Goose meat Grapevine snail Rabbit Veal 	Pesticides (2) <ul style="list-style-type: none"> Deltamethrin Glyphosate
Fruits (39) <ul style="list-style-type: none"> Apple Apricot Avocado Banana Blackberry Blueberry Cantaloupe Cherry Cranberry Currant Date fruit Fig Grape Grapefruit Lemon 	Gluten-Free Grains & Starches (10) <ul style="list-style-type: none"> Amaranth Brown rice Buckwheat Corn Millet Arrowroot Cassava Tapioca Tiger nut Taro root 	Miscellaneous / Ferments / Sweeteners (14) <ul style="list-style-type: none"> Baker's yeast Brewer's yeast Coffee Tea Cocoa Vanilla Apple cider vinegar Balsamic vinegar Distilled white vinegar Red wine vinegar Rice vinegar White wine vinegar Cane sugar Honey 	Sweeteners (10) <ul style="list-style-type: none"> Acesulfame K Aspartame Erythritol Mannitol Monk fruit Saccharin Sorbitol Stevia Sucralose (Splenda) Xylitol
			Elements (3) <ul style="list-style-type: none"> Fluoride Nickel Sulfate Titanium dioxide <p><i>(continued on next page)</i></p>

Food Sensitivity Complete <i>(cont)</i>			Food Additives <i>(cont)</i>
<p>Mollusks (8)</p> <ul style="list-style-type: none"> • Clam • Oyster • Scallops • Blue mussel • Octopus • Pacific squid • Squid • Grapevine snail <p>Nightshades (3)</p> <ul style="list-style-type: none"> • Green pepper • White potato • Eggplant <p>Nuts (11)</p> <ul style="list-style-type: none"> • Almond • Black walnut • Cashew • English walnut • Pecan • Hazelnut • Pine nut • Pistachio • Sweet chestnut • Brazil nut • Macadamia nut <p>Seeds (9)</p> <ul style="list-style-type: none"> • Mustard seed • Sesame seed • Coriander seed • Flaxseed • Poppy seed • Rapeseed • Sunflower seed • Chia seed • Hemp seed <p>Shellfish (4)</p> <ul style="list-style-type: none"> • Crab • Lobster • Crayfish 	<p>Spices (19)</p> <ul style="list-style-type: none"> • Black pepper • Cinnamon • Nutmeg • Anise • Bay leaf • Caraway • Cayenne pepper • Common thyme • Curry powder • Dill • Hot paprika powder • Oregano • Parsley • Woo-hsiang powder (five-spice) • Cumin • Cilantro • Habanero pepper • Jalapeño pepper • Turmeric <p>Vegetables (39)</p> <ul style="list-style-type: none"> • Asparagus • Bamboo shoots • Beet root • Endive • Leek • Arugula / roquette • Salsify root • Turnip • White radish • Artichoke • Chard • Kale • Shiitake mushroom • Zucchini • Acorn squash • Butternut squash • Green onion / scallion • Parsnip • Portabella mushroom • Purple potato 	<ul style="list-style-type: none"> • Shallot • Spaghetti squash • Broccoli • Cabbage • Carrot • Cauliflower • Celery • Cucumber • Garlic • Green beans • Lettuce • Mushroom • Black olive • Onion • Seaweed (kelp) • Spinach • Squash (other varieties) • Ginger • Sweet potato <p>Vegan / Plant-Based Foods (3)</p> <ul style="list-style-type: none"> • Tofu • Tempeh • Vegan cheese 	<p>Preservatives and Antioxidants (9)</p> <ul style="list-style-type: none"> • Benzoic Acid • Butylated Hydroxyanisole (BHA) • Butylated Hydroxytoluene (BHT) • Citric Acid • Formaldehyde • Sodium Benzoate • Sodium Nitrate • Sodium Sulfite • Sorbic Acid <p>Emulsifiers and Surfactants (3)</p> <ul style="list-style-type: none"> • Lecithin (Egg yolk) • Lecithin (Soy) • Polysorbate 80 <p>Flavor Enhancers (3)</p> <ul style="list-style-type: none"> • Ammonium Chloride • Monosodium Glutamate (MSG) • Sodium Citrate <p>Gums and Thickening Agents (9)</p> <ul style="list-style-type: none"> • Gum Arabic • Beta-Glucan • Carrageenan • Cottonseed • Guar Gum • Gum Tragacanth • Locust Bean Gum • Mastic Gum • Xanthan Gum <p>Fibrous Additives (1)</p> <ul style="list-style-type: none"> • Ispaghula (Psyllium Husk) <p>Other (2)</p> <ul style="list-style-type: none"> • Bisphenol A (BPA) • Latex

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Food Antibodies (109)			Celiac Genetics (Add-On Markers)	
<p>Corn Antibodies (18)</p> <ul style="list-style-type: none"> • Corn Zein • Corn Profilin • Corn Albumin • Corn Globulin • Corn Glutelin • Corn Expansin • Corn Endochitinase • Corn-Wheat overlap epitope • Corn Lipid transfer protein • Corn Thioredoxin • Corn • Exopolygalacturonase • Corn pollen antigens • Corn Cry Protein <p>Dairy Antibodies (11)</p> <ul style="list-style-type: none"> • αS1-casein & αS2-casein • αS2-casein / retinal S-antigen overlap • κ-casein • β-casein • A1 β-casein & Islet cell overla • Beta-casomorphin (BCM) • α-lactalbumin • β-lactoglobulin • Serum albumin • Lactoferrin • Butyrophilin <p>Egg Antibodies (11)</p> <ul style="list-style-type: none"> • Egg White <ul style="list-style-type: none"> ◦ Ovomuroid (Gal d 1) ◦ Ovalbumin (Gal d 2) ◦ Ovotransferrin (Gal d 3) ◦ Lysozyme (Gal d 4) ◦ Ovomucin Avidin • Egg Yolk <ul style="list-style-type: none"> ◦ YGP42 (Gal d 6) ◦ Alpha-livetin (Gal d 5) ◦ Vitellogenin-1 ◦ Lipovitellin ◦ Apovitellenin 	<p>Lectin Antibodies (23)</p> <ul style="list-style-type: none"> • Lectins (16) <ul style="list-style-type: none"> ◦ Barley ◦ Bell pepper ◦ Chickpea ◦ Corn ◦ Cucumber ◦ Kidney bean ◦ Lentil ◦ Lima bean ◦ Mung bean ◦ Pea ◦ Peanut ◦ Potato ◦ Rice ◦ Rye ◦ Soybean ◦ Tomato • Aquaporins (7) <ul style="list-style-type: none"> ◦ Bell pepper ◦ Corn ◦ Potato ◦ Soybean ◦ Spinach ◦ Tobacco ◦ Tomato <p>Peanut Antibodies (15)</p> <ul style="list-style-type: none"> • Ara h 3 • Arachin • Glycinin • Ara h 2 • Ara h 6 • Ara h 7 • Ara h 9 • Ara h 5 • Ara h 8 and Ara h 8 isoform • Ara h 10 • Ara h 11 • Oleosin Variant A • Oleosin variant B • Ara h 12 • Ara h 13 	<p>Soy Antibodies (11)</p> <ul style="list-style-type: none"> • Gly m 1 • Gly m 2 • Gly m 3 • Gly m 4 • Gly m 5 • Gly m 6 • Gly m 7 • Gly m 8 • Gly m Bd 30k • Kunitz soybean trypsin inhibitor • Cry1Ac GMO protein <p>Wheat Antibodies (20)</p> <ul style="list-style-type: none"> • Zonulin • Anti-Zonulin • Anti-Actin • Human Anti-Lipopolsaccharide • Deaminated Gliadin Peptide (DGP) • Transglutaminase 2 (tTg) • tTG/DGP Fusion Peptide • Alpha Gliadin • Alpha-Beta Gliadin • Gamma Gliadin • Omega Gliadin • Gluteomorphin • Prodynorphin • High Molecular Weight (HMW) Glutenin • Low Molecular Weight (LMW) Glutenin • Serpin • Farinins • Amylase/Protease Inhibitors • Globulins • Purinin 	<ul style="list-style-type: none"> • LA-DQ2 	<ul style="list-style-type: none"> • HLA-DQ8